



Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

ATTY. DOCKET NO.
0445-0346PAPPLICATION NO.
10/715,460APPLICANT
Yasuo TOYOSHIMA et al.FILING DATE
November 19, 2003GROUP
UNASSIGNED 1772**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>w</i>	US 2002-0068150	A1	2002-06-06	Taneichi et al.	_____		
	US						
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FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
<i>w</i>	JP	2002-187228	A	2002-07-02	JAPAN	_____		Abs	

OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

EXAMINER

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DATE CONSIDERED

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EXAMINER: Initial if citation considered whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
u	US 5,910,137	A	1999-06-08	Clark et al.			
	US						
	US						
	US						
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	US						

FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
h		498234		1970-05-15	SWITZERLAND				X
u		EP1209271	A1	2002-05-29	EPO				
u		2031039	A	1980-04-16	GREAT BRITAIN				
h		EP0423395	A1	1991-04-24	EPO				

OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

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